CLAIMS

1. Stent (10) with a tubular basic body (14) open at its face surfaces, the circumferential wall (16) of which is covered at least in places with a coating system (26) comprising one or more polymer carriers and at least one pharmaceutically active substance, whereby the substance, after implantation of the stent (10) into the human or animal body, is released into the surrounding tissue, characterised in that one or more parameters of the coating system (26), namely

   - a concentration of the substance
   - a morphological structure of the carrier(s)
   - a material modification of the carrier(s) and/or
   - a layer thickness of the carrier(s)

   is/are predetermined in the longitudinal direction of the stent (10) so that the substance exhibits predetermined locally different elution characteristics in the longitudinal direction of the stent depending on the pathophysiological and/or rheological conditions to be expected of the application.

2. Stent (10) according to claim 1, characterised in that the polymer carrier is biodegradable.

3. Stent (10) according to claim 2, characterised in that a degradation behaviour of the carrier serves to differentiate the local elution characteristics.